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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- (Currently Amended) A triangulated mobile gantry crane, comprising:
- (A) first, second, and third booms, each of which has a vertical axis and comprises 1) a mobile base that is independently supported on the ground, that is rotatable about the vertical axis to steer the crane and 2) a vertically extendible lift leg that is extendible about the vertical axis, that is supported on said base, and that has and having an upper end, said first boom being positioned laterally between and longitudinally remote from said second and third booms, wherein first, second, and third horizontal lines interconnecting said first, second, and third booms form an acute triangle;
- (B) a plurality of horizontal beams that functionally interconnect said lift legs and that are raisable with coordinated lifting of said first, second, and third booms to lift a load from the ground, and wherein at least one of the beams is linearly extendible to increase the horizontal spacing between two of said booms;
- (C) rigging that extends downwardly from the beams and that is detachably coupleable to the load after the gantry crane is transported to a position in which at least one of the beams is located over the load, the rigging lifting the load from the ground

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upon subsequent extension of said booms and that then being releasable from the load upon subsequent retraction of the said booms.

- (Currently Amended) A triangulated mobile gantry crane comprising:
- (A) first, second, and third booms, each of which has a vertical axis and comprises 1) a mobile base that is independently supported on the ground and that is rotatable about the vertical axis to steer the crane, and 2) a vertically extendible lift leg that is supported on said base, that is extendible along the vertical axis, and that hashaving an upper end, said first boom being positioned laterally between and longitudinally remote from said second and third booms;
- (B) a plurality of horizontal beams that functionally interconnect said lift legs and that are raisable with coordinated lifting of said first, second, and third booms to lift a load from the ground, and wherein at least one of the beams is linearly extendible to increase the horizontal spacing between two of said booms, and wherein said beams include first, second, and third beams functionally interconnecting said upper ends of said lift legs to form an at least essentially triangular shape when viewed in top plan;
- (C) rigging that extends downwardly from the beams and that is detachably coupleable to a load after the gantry crane is transported to a position in which at least one of the beams is located over the load, the rigging lifting the load from the ground upon subsequent extension of said booms and that then being releasable from the load upon subsequent retraction of the said booms.

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(A)

3. (Currently Amended) A triangulated mobile gantry crane comprising:

comprises 1) a mobile base that is independently supported on the ground- and that is rotatable about the vertical axis to steer the crane and 2) a vertically extendible lift leg

first, second, and third booms, each of which has a vertical axis and

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that is supported on said base, that is extendible along the vertical axis, and that has having an upper end, said first boom being positioned laterally between and

longitudinally remote from said second and third booms;

(B) a plurality of horizontal beams that functionally interconnect said lift legs,

wherein said beams include first, second, and third beams functionally interconnecting said upper ends of said lift legs to form an at least essentially triangular shape when

viewed in top plan, and wherein said first and second beams are extendible to increase the

spacing between said first and second booms and said first and third booms, respectively;

and

(C) rigging that extends downwardly from the beams and that is detachably

coupleable to the load after the gantry crane is transported to a position in which at least

one of the beams is located over the load, the rigging lifting the load from the ground

upon subsequent extension of said booms and that then being releasable from the load

upon subsequent retraction of the said booms.

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4. (Previously Presented) The gantry crane as recited in claim 3, wherein each of said first and second beams comprises a telescoping tube assembly comprising at least one inner tube and at least one outer tube slidable over the inner tube.

- 5. (Previously Presented) The gantry crane as recited in claim 4, where each of said first and second beams comprises a single inner tube positioned at least generally centrally of said beam, a first outer tube extending from said inner tube to the lift leg of said first boom, and a second outer tube extending from said inner tube to the lift leg of the associated one of said second and third booms, each of said outer tubes being extendible and retractable relative to said inner tube.
- 6. (Previously Presented) The gantry crane as recited in claim 5, wherein each of said first and second beams further comprises a pair of cylinders, each of which is operable to extend and retract one of said outer tubes relative to said inner tube.
- 7. (Currently Amended) A triangulated mobile gantry crane comprising:
- (A) first, second, and third booms, each of which has a vertical axis and comprises 1) a mobile base that is independently supported on the ground, and that is rotatable about the vertical axis to steer the crane and 2) a vertically extendible-lift leg that is supported on said base, that is extendible along the vertical axis, and that has and having an upper end, said first boom being positioned laterally between and longitudinally remote from said second and third booms; and

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(B) a plurality of horizontal beams that functionally interconnect said lift legs,

wherein said beams include first, second, and third beams functionally interconnecting

said upper ends of said lift legs to form an at least essentially triangular shape when

viewed in top plan, and wherein said third beam is extendible to increase the spacing

between said second and third booms; and

(C) rigging that extends downwardly from the beams and that is detachably

coupleable to a load after the gantry crane is transported to a position in which at least

one of the beams is located over the load, the rigging lifting the load from the ground

upon subsequent extension of said booms and that then being releasable from the load

upon subsequent retraction of the said booms.

8. (Previously Presented) The gantry crane as recited in claim 7, wherein said third

beam comprises a hydraulic cylinder extending between said first and second beams.

9. (Previously Presented) The gantry crane as recited in claim 2, wherein each of

said first and second beams has multiple mounting points in the vicinity of said second

and third booms, respectively, for selectively receiving an associated end of said third

beam at one of a plurality of discrete mounting locations.

10. (Previously Presented) The gantry crane as recited in claim 1, wherein said first

boom comprises a front boom located adjacent a lateral centerline of said gantry crane

and said second and third booms are rear booms located on opposite sides of said lateral

centerline.

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- (Previously Presented) The gantry crane as recited in claim 1, wherein each of said mobile bases comprises a wheel.
- 12. (Currently Amended) The gantry crane as recited in claim 1, wherein each of said bases is rotatable <u>about the associated vertical axis</u> through an angle of 360 ° relative to the associated lift leg-
- 13. (Currently Amended) A triangulated mobile gantry crane, comprising:
- (A) first, second, and third_booms, each of which extends along a vertical axis and comprises 1) a mobile base that is independently supported on the ground and 2) a vertically extendible lift leg that is supported on said base, that is extendible along the vertical axis, and that has and having an upper end, said mobile base being rotatable about the vertical axis through an angle of at least 360° with respect to said lift leg to steer said gantry crane, wherein
 - said first boom is a front boom positioned at a lateral centerline of said gantry crane;
 - (2) said second and third booms are rear booms positioned on opposite sides of said lateral centerline;
 - (3) first, second, and third horizontal lines interconnecting said first, second, and third booms form an acute triangle;
- (B) first and second lift beams functionally interconnecting the lift legs of said first and second booms and said first and third booms, respectively;

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a rear cross beam functionally interconnecting the lift legs said second and

third booms to one another, wherein the first and second lift beams are raisable with

coordinated lifting of said first, second, and third booms to lift a load, and wherein at

least one of the beams is linearly extendible to increase the horizontal spacing between

two of said booms; and

(D) rigging that extends downwardly from the lift beams and that is

detachably coupleable to a load after the gantry crane is transported to a position in which

at least one of the beams is located over the load, the rigging lifting the load from the

ground upon subsequent extension of said booms and that then being releasable from the

load upon subsequent retraction of the said booms, the rigging comprising at least one of

straps, chains, and cables.

(Currently Amended) A triangulated mobile gantry crane, comprising:

(A) first, second, and third_-booms, each of which extend along a vertical axis

and comprises 1) a mobile base and 2) a vertically extendible-lift leg that is supported on

said base, that is extendible along the vertical axis, and that has and having an upper end,

said mobile base being rotatable about the vertical axis through an angle of at least 360 $^{\circ}$

with respect to said lift leg to steer said gantry crane, wherein

(1) said first boom is a front boom positioned at a lateral centerline of

said gantry crane;

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(2) said second and third booms are rear booms positioned on opposite sides of said lateral centerline:

- first, second, and third horizontal lines interconnecting said first, second, and third booms form an acute triangle;
- (B) first and second <u>horizontal</u> lift beams functionally interconnecting the lift legs of said first and second booms and said first and third booms, respectively;
- (C) a rear <u>horizontal</u> cross beam functionally interconnecting the lift legs of said second and third booms to one another, wherein

said first and second lift beams are extendible to increase the spacing between said first and second booms and said first and third booms, respectively, wherein each of said first and second lift beams comprises a single inner tube positioned at least generally centrally of said beam, a first outer tube extending from said inner tube to the lift leg of said first boom, and a second outer tube extending from said inner tube to the lift leg of the associated one of said second and third booms, each of said outer tubes being extendible and retractable relative to said inner tube; and

(D) rigging that extends downwardly from the lift beams and that is detachably coupleable to a load after the gantry crane is transported to a position in which at least one of the lift beams is located over the load, the rigging lifting the load from the ground upon subsequent extension of said booms and that then being releasable from the

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load upon subsequent retraction of the said booms, the rigging comprising at least one of strans, chains, and cables.

- 15. (Previously Presented) The gantry crane as recited in claim 14, wherein each of said first and second lift beams further comprises a pair of cylinders, each of which is operable to extend and retract one of said outer tubes relative to said inner tube.
- 16. (Currently Amended) A triangulated mobile gantry crane comprising:
- (A) first, second, and third_-booms, each of which extends along a vertical axis and comprises 1) a mobile base and 2) a vertically extendible lift leg that is supported on said base, that is extendible along the vertical axis, and that has and having an upper end, said mobile base being rotatable the vertical axis through an angle of at least 360° with respect to said lift leg to steer said gantry crane, wherein
 - said first boom is a front boom positioned at a lateral centerline of said gantry crane;
 - said second and third booms are rear booms positioned on opposite sides of said lateral centerline;
 - (3) first, second, and third horizontal lines interconnecting said first, second, and third booms form an acute triangle;
- (B) first and second <u>horizontal</u> lift beams functionally interconnecting the lift less of said first and second booms and said first and third booms, respectively;

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(C) a rear horizontal cross beam functionally interconnecting the lift legs said

second and third booms to one another, wherein said rear cross beam comprises a

hydraulic cylinder extending between said first and second lift beams and operatively

connectable to each of said first and second lift beams at multiple discrete mounting

locations; and

(D) rigging that extends downwardly from the lift beams and that is detachably

coupleable to a load after the gantry crane is transported to a position in which at least

one of the beams is located over the load, the rigging lifting the load from the ground

upon subsequent extension of said booms and that then being releasable from the load

upon subsequent retraction of the said booms.

17. (Currently Amended) A method comprising;

(A) moving a mobile triangulated gantry crane over a load by straddling said load with an open front end of said gantry crane and positioning said load longitudinally

between said open front end and a closed rear end, said rear end of said gantry crane

comprising a first boom positioned laterally between and longitudinally remote from

second and third booms, each of the booms extending along a respective vertical axis,

wherein first, second, and third horizontal lines interconnecting said first, second, and

third booms form an acute triangle; then

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load, said first, second, and third horizontal beams functionally interconnecting said first,

coupling at least one of first, second, and third horizontal beams to said

second, and third booms to one another; then

(C) vertically extending said first, second, and third booms along the

respective vertical axes in a coordinated manner to raise said first, second, and third

horizontal beams and to lift said load; and

(D) linearly horizontally extending at least one of said beams to increase the

horizontal spacing between two of the booms.

(Currently Amended) A method comprising;

(A) moving a mobile triangulated gantry crane over a load by straddling said

load with an open front end of said gantry crane and positioning said load longitudinally

between said open front end and a closed rear end, said rear end of said gantry crane

comprising a first-boom positioned laterally between and longitudinally remote from

second and third booms, wherein each of the booms extends along a respective vertical

axis and, and wherein first, second, and third horizontal lines interconnecting said first,

second, and third booms form an acute triangle_rotatable; then

(B) coupling at least one of first, second, and third horizontal beams to said

load, said first, second, and third horizontal beams functionally interconnecting said first,

second, and third booms to one another; then

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(C) vertically-extending said first, second, and third booms along the respective vertical axes to lift said load; and

- (D) extending said third beam prior to said moving step so as to increase the spacing between said second and third booms sufficiently to permit a rear end of said gantry crane to straddle said load.
- 19. (Previously Presented) The method as recited in claim 18, further comprising extending said first and second beams to increase the length of said gantry crane.
- 20. (Currently Amended) The method as recited in claim 17, wherein each of said booms includes a base and a lift leg mounted on said base, and further comprising steering said vehicle by rotating the base of at least one of said booms <u>about the respective vertical axis</u> through an angle of at least 360° with respect to the associated lift leg.
- 21. (Currently Amended) A triangulated mobile gantry crane comprising:
- (A) a boom assembly consisting of first, second, and third horizontally spaced booms, each of which extends along a vertical axis and comprises 1) a mobile base that is independently supported on the ground-and 2) a vertically extendible-lift leg that is supported on said base, that is extendible along the vertical axis, and that has and having an upper end, said first boom being positioned laterally between and longitudinally remote from said second and third booms;

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(B) a plurality of horizontal beams that functionally interconnect said lift legs and that are raisable with coordinated lifting of said first, second, and third booms to lift a load, and wherein at least one of the beams is linearly extendible to increase the

horizontal spacing between two of said booms; and

rigging that extends downwardly from the beams and that is detachably

coupleable to a load after the gantry crane is transported to a position in which at least

one of the beams is located over the load, the rigging lifting the load from the ground

upon subsequent extension of said booms and that then being releasable from the load

upon subsequent retraction of the said booms.

22. (Currently Amended) The method of claim 17, wherein the coupling step is

performed using rigging suspended from the at least one beam, and further comprising

while said booms are extended, moving said gantry crane to transport the

load; then

vertically-retracting said first, second, and third booms about the

respective vertical axes to lower the load onto the ground; and then

releasing said rigging to decouple said at least one of said first, second,

and third horizontal beams from the load.

23. (Currently Amended) The method of claim 18, wherein the coupling step is

performed using rigging suspended from the at least one beam, and further comprising:

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while said booms are extended, moving said gantry crane to transport the load: then

vertically-retracting said first, second, and third booms about the respective vertical axes to lower the load onto the ground; and then

releasing said rigging to decouple said at least one of said first, second, and third horizontal beams from the load.